

A B S T R A C T

A DEVICE FOR FORMING, FOR MOVING, AND FOR DIFFUSING
CALIBRATED SMALL QUANTITIES OF LIQUID

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The invention relates to a device for diffusing drops of at least one liquid, the device being of the type comprising at least one liquid displacement path defined by a series of pairs of close-together surfaces (4a, 6a, ..., 14a) enabling liquid to be retained and to be displaced from one pair of surfaces to another. The device comprises:

• both a series of pairs of close-together surfaces (4a, 6a, ..., 14a) defining at least one displacement path, and co-operating to store the liquid, to form drops of liquid, and to move liquid drops to an outlet from said path leading towards a drop destination site; and

• electric field application means applying a determined sequence of electric fields between the pairs of close-together surfaces so as to form drops of liquid from the liquid storage, and to move and mix the drops of liquid to the drop outlet of said path.

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Translation of the title and the abstract as they were when originally filed by the Applicant. No account has been taken of any changes that may have been made subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.

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